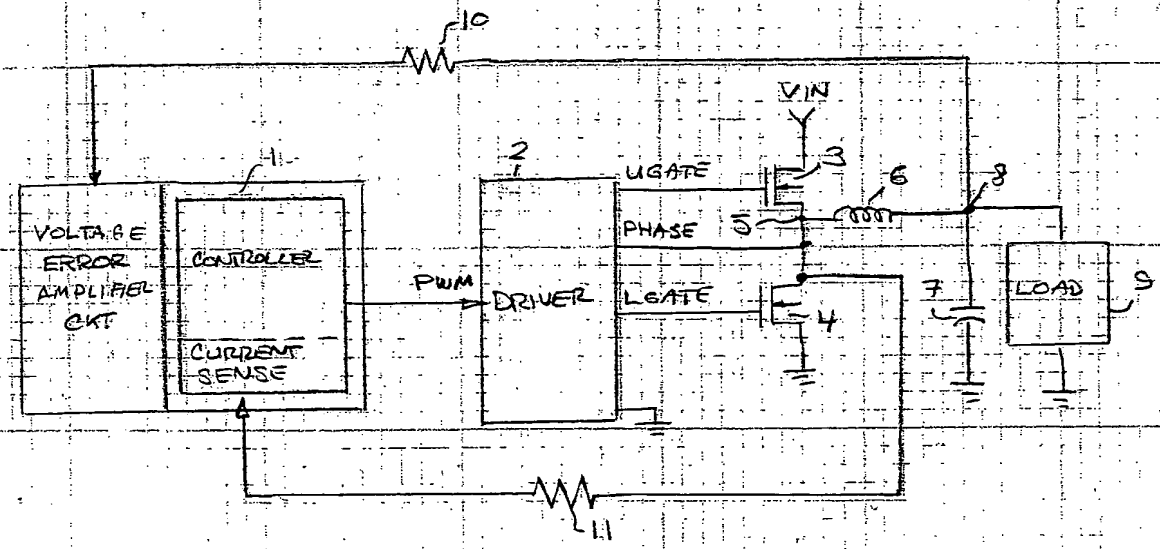

FIGURE 1 (PRIOR ART)

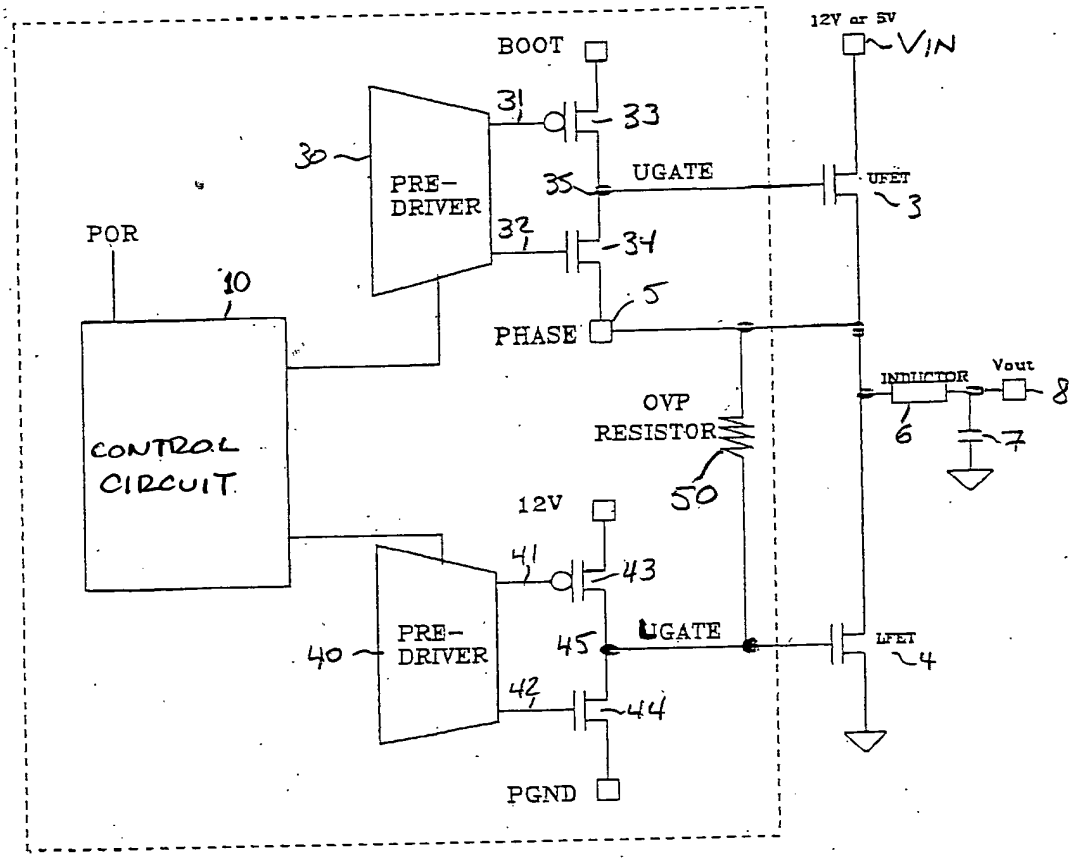
12V or 5V
VIN
BOOT
31
33
30
PRE-
DRIVER
35
UGATE
UFET
3
POR
32
34
10
5
PHASE
INDUCTOR
Vout
8
OVP
RESISTOR
6
7
CONTROL
CIRCUIT
50
12V
41
43
PRE-
DRIVER
40
45
UGATE
LFET
4
42
44
PGND

FIGURE2

FIGURE 3A

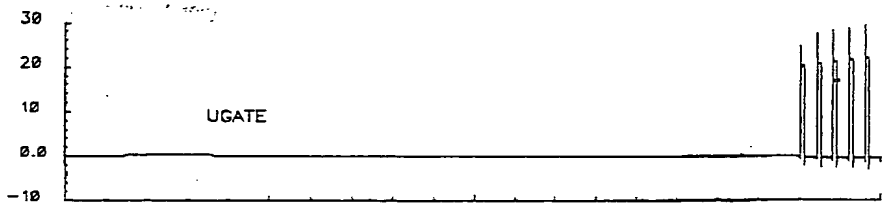

FIGURE 3B

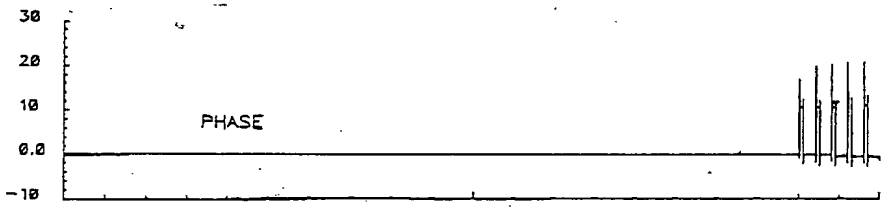

FIGURE 3C

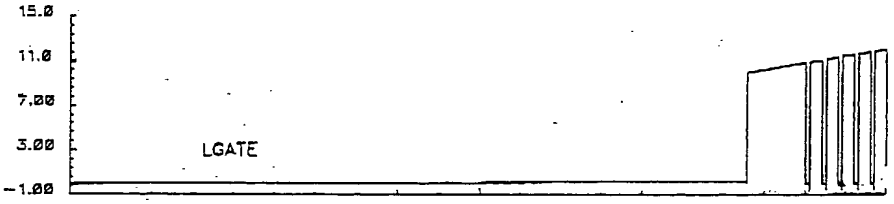

FIGURE 3D

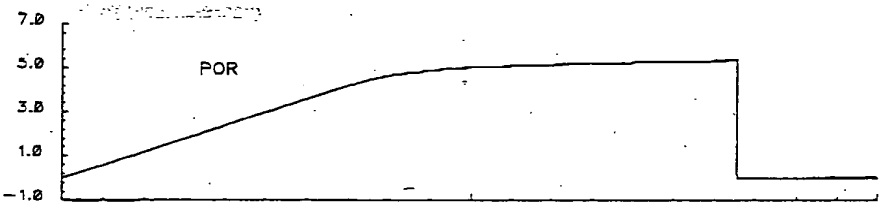

FIGURE 3E

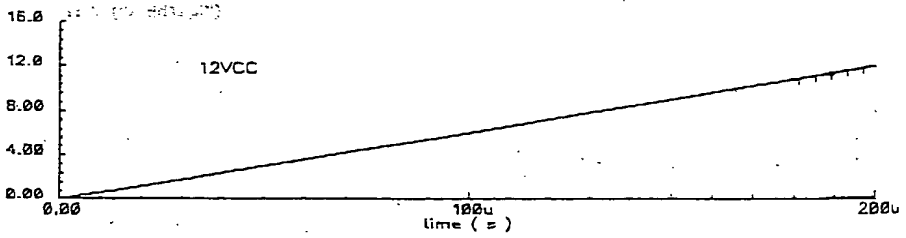

FIGURE 4A

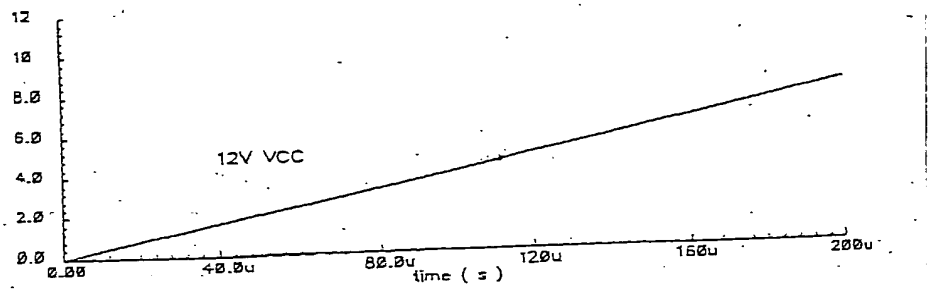

FIGURE 4B

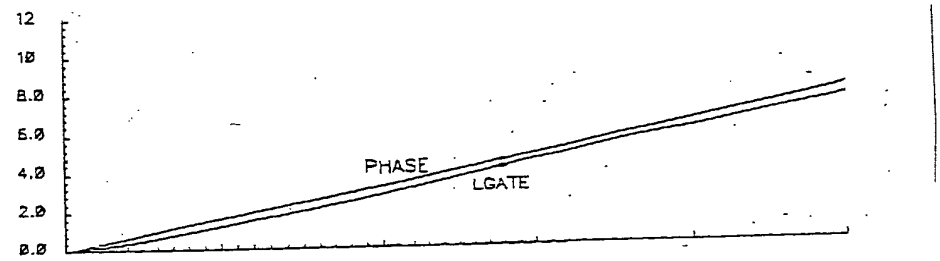

FIGURE 4C

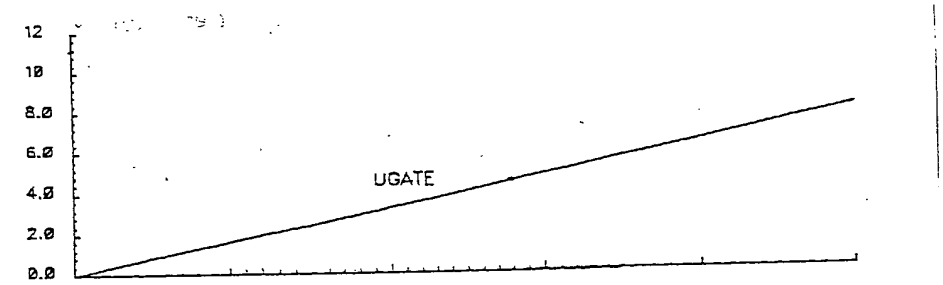
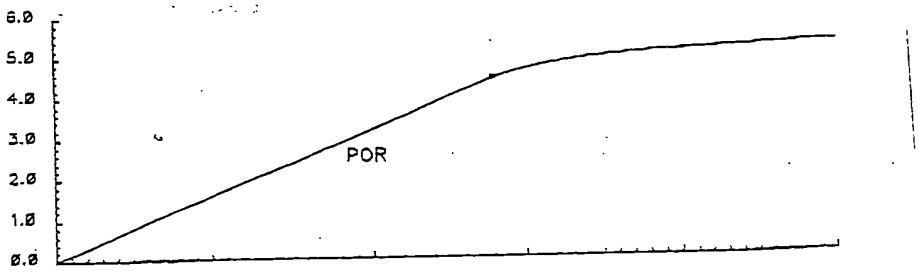
FIGURE 4D